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RAW SEQUENCE LISTING

DATE: 11/19/2001

PATENT APPLICATION: US/09/930,169

TIME: 09:50:17

Input Set : N:\jumbos\930169.raw

Output Set: N:\CRF3\11192001\I930169.raw

3 <110> APPLICANT: KIM, SUNGHOON
 4 KO, YOUNG-GYU
 6 <120> TITLE OF INVENTION: IMMUNOLOGICAL ENHANCEMENT AGENT COMPRISING N-TERMINAL
 PEPTIDE OF
 7 P43 AS AN EFFECTIVE COMPONENT
 9 <130> FILE REFERENCE: 058333/0106
 11 <140> CURRENT APPLICATION NUMBER: 09/930,169
 12 <141> CURRENT FILING DATE: 2001-08-16
 14 <150> PRIOR APPLICATION NUMBER: KR 2001-31310
 15 <151> PRIOR FILING DATE: 2001-06-05
 17 <160> NUMBER OF SEQ ID NOS: 11
 19 <170> SOFTWARE: PatentIn Ver. 2.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 147
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Unknown Organism
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian
 28 protein sequence
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 31 Met Ala Asn Asn Asp Ala Val Leu Lys Arg Leu Glu Gln Lys Gly Ala
 32 1 5 10 15
 34 Glu Ala Asp Gln Ile Ile Glu Tyr Leu Lys Gln Gln Val Ser Leu Leu
 35 20 25 30
 37 Lys Glu Lys Ala Ile Leu Gln Ala Thr Leu Arg Glu Glu Lys Lys Leu
 38 35 40 45
 40 Arg Val Glu Asn Ala Lys Leu Lys Lys Glu Ile Glu Glu Leu Lys Gln
 41 50 55 60
 43 Glu Leu Ile Gln Ala Glu Ile Gln Asn Gly Val Lys Gln Ile Ala Phe
 44 65 70 75 80
 46 Pro Ser Gly Thr Pro Leu His Ala Asn Ser Met Val Ser Glu Asn Val
 47 85 90 95
 49 Ile Gln Ser Thr Ala Val Thr Thr Val Ser Ser Gly Thr Lys Glu Gln
 50 100 105 110
 52 Ile Lys Gly Gly Thr Gly Asp Glu Lys Lys Ala Lys Glu Lys Ile Glu
 53 115 120 125
 55 Lys Lys Gly Glu Lys Lys Glu Lys Lys Gln Gln Ser Ile Ala Gly Ser
 56 130 135 140
 59 Ala Asp Ser
 60 145
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 64 <211> LENGTH: 108
 65 <212> TYPE: PRT
 66 <213> ORGANISM: Unknown Organism
 68 <220> FEATURE:
 69 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian
 70 protein sequence
 72 <400> SEQUENCE: 2

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73 Met Ala Asn Asn Asp Ala Val Leu Lys Arg Leu Glu Gln Lys Gly Ala
74   1           5           10           15
76 Glu Ala Asp Gln Ile Ile Glu Tyr Leu Lys Gln Gln Val Ser Leu Leu
77           20           25           30
79 Lys Glu Lys Ala Ile Leu Gln Ala Thr Leu Arg Glu Glu Lys Lys Leu
80           35           40           45
82 Arg Val Glu Asn Ala Lys Leu Lys Lys Glu Ile Glu Glu Leu Lys Gln
83           50           55           60
85 Glu Leu Ile Gln Ala Glu Ile Gln Asn Gly Val Lys Gln Ile Ala Phe
86   65           70           75           80
88 Pro Ser Gly Thr Pro Leu His Ala Asn Ser Met Val Ser Glu Asn Val
89           85           90           95
91 Ile Gln Ser Thr Ala Val Thr Thr Val Ser Ser Gly
92           100          105
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96 <211> LENGTH: 166
97 <212> TYPE: PRT
98 <213> ORGANISM: Unknown Organism
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian
102     protein sequence
104 <400> SEQUENCE: 3
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108 Ser Gly Thr Lys Glu Gln Ile Lys Gly Gly Thr Gly Asp Glu Lys Lys
109           20           25           30
111 Ala Lys Glu Lys Ile Glu Lys Lys Lys Gly Glu Lys Lys Glu Lys Lys Gln
112           35           40           45
114 Gln Ser Ile Ala Gly Ser Ala Asp Ser Lys Pro Ile Asp Val Ser Arg
115           50           55           60
117 Leu Asp Leu Arg Ile Gly Cys Ile Ile Thr Ala Arg Lys His Pro Asp
118   65           70           75           80
120 Ala Asp Ser Leu Tyr Val Glu Glu Val Asp Val Gly Glu Ile Ala Pro
121           85           90           95
123 Arg Thr Val Val Ser Gly Leu Val Asn His Val Pro Leu Glu Gln Met
124           100          105          110
126 Gln Asn Arg Met Val Ile Leu Leu Cys Asn Leu Lys Pro Ala Lys Met
127           115          120          125
129 Arg Gly Val Leu Ser Gln Ala Met Val Met Cys Ala Ser Ser Pro Glu
130           130          135          140
132 Lys Ile Glu Ile Leu Ala Pro Pro Asn Gly Ser Val Pro Gly Asp Arg
133   145          150          155          160
135 Ile Thr Phe Asp Ala Phe
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139 <210> SEQ ID NO: 4
140 <211> LENGTH: 27
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:

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145 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
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154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
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164 <211> LENGTH: 32
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177 <212> TYPE: DNA
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199 <210> SEQ ID NO: 9
200 <211> LENGTH: 18
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
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213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primer

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225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
231 <400> SEQUENCE: 11
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/930,169

DATE: 11/19/2001

TIME: 09:50:18

Input Set : N:\jumbos\930169.raw

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